LFN Mentorship Project Presentation

November 2020

THE **LINUX** FOUNDATION

LF NETWORKING

JSON Examples for ODL User Guides

› **Introduction**

  › **Name**: Aman

  › **Location**: India

  › **University**: IIT Dharwad, India

  › **Mentor(s)**: Luis Gomez and Tejas Nevrekar

  › **LFN Project:** JSON Examples for ODL User Guide

JSON Examples for ODL User Guides

› **Project Description:**

   › OpenDaylight is a modular open platform for customising and automating networks of any size.

   › Its user guide is extensively referred by users to interact with ODL Controller

   › The project was to improve the documentation to include JSON examples for most widely used plugins i.e. BGPCEP, NETCONF, Openflow etc.

JSON Examples for ODL User Guides

› **Project Objectives**:

  › Adding JSON Payloads and RFC8040 Urls for *BGP, PCEP, CONTROLLER* and *NETVIRT* User Guides

  › Migrate wiki contents of *BGPCEP, NETVIRT, GENIUS, OVSDB, COE, AAA, JSONRPC, RELENG, DAEXIM, MDSAL, INFRAUTILS* plugins

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› **Project Deliverables:**

   › *BGPCEP, CONTROLLER, AAA, GENIUS, OVSDB* documentations with JSON Payloads and RFC8040 Urls([Gerrit Commits](#))

   › Migrated Wiki Contents of *BGPCEP, JSONRPC, DAEXIM, AAA, OVSDB, GENIUS and NETVIRT on [new wikipage](#)*

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› **Project Execution & Accomplishments**:

  › Added JSON payloads, RFC8040 urls with sphinx tabs for different SDN protocols

  › Migrated Wiki pages to new opendaylight wiki page

  › Found a bug in one type of the BGPCEP Api (Jira issue)

  Tools Used: Postman, Sphinx, tox, REST Apis, ODL Controller

JSON Example for ODL User Guides

› **Recommendations for future work**:

› Next step would be to extend this to other areas of the documentation.

› New ODL theme which supports sphinx-tabs rendering([Jira Issue](#))

› Fix the REST Apis which are not working with rfc8040 urls([Jira Issue](#))

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› **Project Output or Results:**

› User Guide Commits:-
    1. BGPCEP
    2. Genuis
    3. AAA
    4. CONTROLLER

› Migrated wiki Pages of SDN protocols on new wiki

› Jira issue

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JSON Exmaples for ODL User Guides

	#	Subject	Status	Owner	Assignee	Repo	Branch	Updated	Size	CR	V
☆	92442	Add rfc8040 url for docs/user-guide.rst	Merged	Aman	--	aaa	master (aaa-docs)	Sep 22	XS	✓	✓
☆	90553	Added JSON and XML payloads tabs with RFC 8040 URL	Merged	Aman	--	bgpcep	master (bgpcep-docs)	Sep 17	M	✓	✓
☆	92441	Add rfc8040 urls for docs/getting-started-guide/persistence_and_backup.rst	Merged	Aman	--	docs	master (docs)	Sep 14	XS	✓	✓
☆	92440	Add rfc8040 urls for docs/getting-started-guide/clustering.rst	Merged	Aman	--	docs	master (docs)	Sep 14	S	✓	✓
☆	90575	Added JSON and XML payloads tabs with RFC 8040 URL	Merged	Aman	--	bgpcep	master (bgpcep-docs)	Sep 07	M	✓	✓
☆	90563	Added JSON and XML payloads tabs with RFC 8040 URL	Merged	Aman	--	bgpcep	master (bgpcep-docs)	Sep 07	M	✓	✓
☆	90564	Added JSON and XML payloads tabs with RFC 8040 URL	Merged	Aman	--	bgpcep	master (bgpcep-docs)	Sep 07	S	✓	✓
☆	90500	Added JSON and XML payloads tabs with working RFC 8040 URL	Merged	Aman	--	bgpcep	master (bgpcep-docs)	Sep 07	XL	✓	✓
☆	90482	Added JSON and XML payloads tabs with working RFC 8040 URL	Merged	Aman	--	bgpcep	master (bgpcep-docs)	Sep 07	M	✓	✓
☆	89076	Added JSON and XML payloads tabs with RFC 8040 URL	Merged	Aman	--	bgpcep	master (bgpcep-docs)	Sep 07	XL	✓	✓
☆	90554	Added JSON and XML payloads tabs with RFC 8040 URL	Merged	Aman	--	bgpcep	master (bgpcep-docs)	Sep 07	L	✓	✓
☆	90457	Added JSON and XML payloads tabs with working RFC 8040 Url	Merged	Aman	--	bgpcep	master (bgpcep-docs)	Sep 07	L	✓	✓
☆	90529	Added JSON and XML payloads tabs with RFC 8040 URL	Merged	Aman	--	bgpcep	master (bgpcep-docs)	Sep 07	M	✓	✓
☆	90573	Added JSON and XML payloads tabs with RFC 8040 URL	Merged	Aman	--	bgpcep	master (bgpcep-docs)	Sep 07	L	✓	✓
☆	90530	Added JSON and XML payloads tabs with RFC 8040 URL	Merged	Aman	--	bgpcep	master (bgpcep-docs)	Sep 07	L	✓	✓
☆	90550	Added JSON and XML payloads tabs with working RFC 8040 URL	Merged	Aman	--	bgpcep	master (bgpcep-docs)	Sep 07	L	✓	✓
☆	90532	Added JSON and XML payloads tabs with RFC 8040 URL	Merged	Aman	--	bgpcep	master (bgpcep-docs)	Sep 07	L	✓	✓
☆	92309	Add json examples for bgp-user-guide-pmsi-attribute.rst	Merged	Aman	--	bgpcep	master (bgpcep-docs)	Sep 07	L	✓	✓
☆	90551	Added JSON and XML payloads tabs with RFC 8040 URL	Merged	Aman	--	bgpcep	master (bgpcep-docs)	Sep 07	M	✓	✓
☆	90572	Added JSON and XML payloads tabs with RFC 8040 URL	Merged	Aman	--	bgpcep	master (bgpcep-docs)	Sep 07	M	✓	✓
☆	90531	Added JSON and XML payloads tabs with working RFC 8040 URL	Merged	Aman	--	bgpcep	master (bgpcep-docs)	Sep 07	L	✓	✓
☆	90574	Added JSON and XML payloads tabs with RFC 8040 URL	Merged	Aman	--	bgpcep	master (bgpcep-docs)	Sep 07	S	✓	✓
☆	90567	Added JSON and XML payloads tabs with RFC 8040 URL	Merged	Aman	--	bgpcep	master (bgpcep-docs)	Sep 07	XL	✓	✓
☆	90577	Added JSON and XML payloads tabs with RFC 8040 URL	Merged	Aman	--	bgpcep	master (bgpcep-docs)	Sep 07	L	✓	✓
☆	90561	Added JSON and XML payloads tabs with RFC 8040 URL	Merged	Aman	--	bgpcep	master (bgpcep-docs)	Sep 07	L	✓	✓

Added JSON and XML payloads tabs with RFC 8040 URL

JSON Examples for ODL User Guides

› **Learning & Insights Gained:**

› Introduction to open source culture and collaboration tools

› Documentation lifecycle of open source projects

› Overview of Jenkins Pipeline and Gerrit

› Documentation tools like rst, tox, sphinx

THANK YOU!

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